

AMENDMENT UNDER 37 C.F.R. § 1.111
U.S. Appln. No. 10/084,055

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (Currently amended) ~~A~~ Multi-carrier receiver adapted to receive a multi-carrier signal and to demodulate data symbols from a set of carriers that constitute said multi-carrier signal, said multi-carrier receiver comprising an antenna selection means ~~selector to select~~ selecting at least two carriers (A31, A32) as antennas for estimation of characteristics of a narrowband disturber ~~(RFI-Signal 3)~~:

~~CHARACTERISED IN THAT~~ wherein said antenna ~~selection means~~ selector is adapted to select said at least two antennas (A31, A32) amongst all carriers located inside a predetermined frequency band ~~(RFI-Band)~~ wherein a power spectral density of said multi-carrier signal has to stay below a threshold value, and at least two carriers ~~(C1, C2)~~ located outside said predetermined frequency band ~~(RFI-Band)~~.

2. (Currently amended) ~~A~~ Multi-carrier receiver according to claim 1,

~~CHARACTERISED IN THAT~~ wherein said multi-carrier receiver further comprises antenna reservation means, adapted to reserve said at least two carriers ~~(C1, C2)~~ located outside said predetermined frequency band ~~(RFI-Band)~~ by assigning a substantially low amount of power and data bits to said at least two carriers ~~(C1, C2)~~.

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3. (Currently amended) A ~~M~~multi-carrier receiver according to claim 1,

~~CHARACTERISED IN THAT~~ wherein said at least two carriers (~~C1, C2~~) are located at an equal distance ~~off~~from respective edges of said predetermined frequency band (~~RFI Band~~).

4. (Currently amended) A ~~M~~multi-carrier receiver according to claim 3,

~~CHARACTERISED IN THAT~~ wherein said distance equals 17 times 4.3125 kHz.